

FIG. 5A

HU KVEQAVETEPEPELROQTEWQSGQRWELALGRFWDYLRWVQTLSEQVQEE 50
Ba P P DV A P
CynM P P T A G P
Rt ----- G L VTD LPG D P Q N D
Mo ----- G VTD L N P Q N D
GP -----DV V V EPAV P S D
Rb ----- Q V VPE AR KA P S D
Cow DM GELGP - LTT PRGKDS P Q D
Dog* Q EL P -----AG T P A A D G
SeaL EL E P -----AG A P A D

HU LLSSQVTQELRALMDETMKELKAYKSELEEQLTPVAEETRARLSKELQAA 100
Ba P TT S
CynM P TT S
Rt Q TV ED T V K G A V T
Mo Q T ED T V K G G V
GP N TL IED V D A KE G D K A
Rb TM E V S M Q V
Cow NT I T E V E G G M Q Q V
Dog V NT T V A D G MTS Q VA
SeaL V N TT E I RA G M S Q VA

HU QARLGADMEDVRGRVLVQYRGEVQAMLGQSTEELRVRLASHLRKLRKLLR 150
Ba S S A
CynM S S A
Rt L N G N NT S ST M M
Mo L N G N HT A ST M M
GP E N S S S A T P M Q
Rb E CN A A A FS
Cow S LC A S A M P
Dog R N T L S A F M V
SeaL RS T S A F M V

HU DADDLQKRLAVYQAGAREGAERGLSAIRERLGPLVEQGRVRAATVGSLAG 200
Ba V S
CynM V S
Rt K Q V Q T NL AG A
Mo E K V Q T NL AG A
GP I E M K Q V S I LQ ----- TS
Rb E M G V L L ST
Cow K S S F QS LST
Dog E R K V SV S W L A E N K A T
SeaL E R V SV T W L A T H K DA T

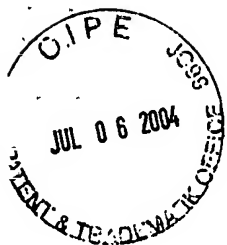


FIG. 5B

HU	QPLQERAQAWGERLRARMEEMGSRTDRDLDEVKEQVAEVRAKLEEQAQQI 250																			
Ba		L																		
CynM		L																		
Rt	RD	LSD	I	G	L	V	NQA	E	R	ME	S	M	T							
Mo	RD	F	D	I	G	L	V	NQA	E	R	HME	S	M	T						
GP		QM	G	L	KV	QA	E	R	ME	V	V	---								
Rb	R		GHL	V	A	E	R	E	V	V	A	M								
Cow	L	E	RQK	HG	L	V	V	AQ	KIRQ	LE	H	V	GN	M						
Dog	L	D	QQ	GQL	S	A	GH	E	MR	IQ	V	M	D							
SeaL	R	VN	L	QQ	G	L	V	A	SH	R	ME	Q	M	N	M					

HU	RLQAEAFQARLKSWFEPLVEDMQRQWAGLVEKVQAAVGTSAAPVPSDNH 299																			
Ba	S	A T																		
CynM	S	A T I																		
Rt		I		I	G			N	M	I	S	A	NSI	ASTT	V	P	L	E	N	Q
Mo		I		G		I	H	N	M	I	S	A	NPI	IT	VAQ	-	E	N	Q	
GP	----	G				MM	R	N	IQ	V	A	TS	-	A	QEP					
Rb										L	MPSK	PAA	API	E	N	Q				
Cow				R						L	LRP	PTSP	E							
Dog	QK					L		D			A	IP	TSK	P	V	E	E	P		
SeaL	Q			G				V			PTTP	VETK								